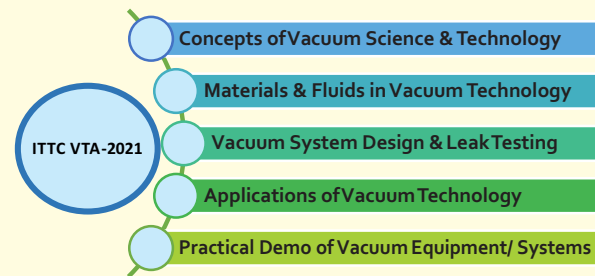


Pakistan Vacuum Society  
39, St. 17, Sector I/9-1, Islamabad  
PO Box No. 1880, Islamabad

### COURSE TOPICS

In the ITTC VTA-2021, the basics as well as advanced topics on Vacuum Science and Technology will be discussed in detail. Besides, the applications of Vacuum Technology in different areas, especially industry, will also be focused by the faculty members.

The main areas of training course ITTC VTA-2021 include;



### IMPORTANT DATES

- ◆ **Registration** is open until commencement of the course  
(Dec 07, 2021)

### VENUE

Islamabad Hotel, Main Civic Center G-6 Markaz  
Islamabad Pakistan



### FOR QUERIES, PLEASE CONTACT:

Course Coordinator,  
Pakistan Vacuum Society  
39, St. 17, Sector I/9-1, Islamabad  
PO Box No. 1880, Islamabad  
Tel: + 92 - 51 - 4434728  
Fax: + 92 - 51 - 4434537  
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Email: [pvs@comsats.net.pk](mailto:pvs@comsats.net.pk)  
Website: [www.pvs.com.pk](http://www.pvs.com.pk)

## IUVSTA Technical Training Course on VACUUM TECHNOLOGY APPLICATIONS (ITTC VTA - 2021) 07 - 09 Dec, 2021 Islamabad - Pakistan



Organized by

**Pakistan Vacuum Society**

In collaboration with:

IUVSTA

(International Union for Vacuum Science,  
Technique and Applications)

&

PSF (Pakistan Science Foundation), Islamabad

## ORGANIZING COMMITTEE

1. Dr. Javaid Ahsan Bhatti
2. Ch. Tariq Sattar
3. Dr. Suleman Qaiser
4. Dr. Muhammad Yasin Shami
5. Mr. Mubashir Hayat
6. Mr. Muhammad Shoaib
7. Dr. Muhammad Rafiq
8. Dr. Muhammad Arif
9. Dr. Wakil Khan
10. Mr. Akhtar Amin
11. Mr. Zahid Iqbal

## RESOURCE PERSONS

1. Dr. Shehzad Alam
2. Dr. Afzal H. Kamboh
3. Dr. Syed Wilayat Husain
4. Dr. Ihtzaz Qamar
5. Dr. Javaid Ahsan Bhatti
6. Dr. Fazal A. Khalid
7. Dr. Haji Muhammad Akram
8. Dr. Asghari Maqsood
9. Ch. Tariq Sattar
10. Dr. Suleman Qaiser
11. Dr. Muhammad Yasin Shami
12. Mr. Muhammad Shoaib

## ABOUT PAKISTAN VACUUM SOCIETY

During the past few decades, the emergence of Technological Advancements in different fields have contributed alot for the betterment of humanity. Vacuum Science and Technology (VST), as such, has been a vital force behind these advancements. In this back drop, the Pakistan Vacuum Society (PVS) came into existence in 1997 with the aim to disseminate the knowledge of VST at national as well as international level. It is one of the most active Societies of the country which, since its inception, has conducted a number of Scientific events including Conferences, Workshops, Symposia & Training courses.

PVS is, also, one of the largest technical societies of the country with more than 400 technical members nationwide. At national level, It is registered at the Office of Registrar of Societies, Joint Stock Companies and Pakistan Science Foundation-Islamabad. While at International level PVS is member of International Union for Vacuum Science, Technique and Applications (IUVSTA)-Belgium as well as International Steering Committee of Vacuum and Surface Sciences Conference of Asia and Australia (VASSCAA)-HQ Japan Vacuum Society-Japan.

Taking advantage of its strength/membership and capabilities, PVS has conducted dozens of vacuum-related events at national level. While at International level, four major events have been organized by PVS which includes one of the biggest events of Asia and Pacific region under the title of VASSCAA-06, in Oct 2012 at Pak China Friendship Center-Islamabad. In the near future, PVS intends to organize another International event in Pakistan which could be highly helpful to the Educational, Research as well as Industrial community of the country.

## SCOPE & OBJECTIVES OF ITTCVTA-2021

This short course aims to provide young scientists, researchers and technologists an opportunity to interact with eminent scientists and specialists working in the field of VST to explore the latest trends of Vacuum Technology and its modern applications. It will also help to develop expertise in the allied fields of Vacuum Technology like electronics, thin film, surface science, material characterization & nanotechnology to introduce modern concepts in industry.

The main objectives of the course are to:

- ◆ Provide both basic & advanced knowledge about the VST

and its applications in the modern and applied fields of research and production engineering.

- ◆ Cope with the latest trends, applications and future role of Vacuum Technology in the research and industrial applications.
- ◆ Realize the barriers for the adaptation and promotion of VST and to resolve the practical problems related to it.
- ◆ Enhance collaborative research and development activities among various industries, research organizations and universities of the country.

## TARGET AUDIENCE

Researchers, engineers, system designers, process managers, plant operators, equipment suppliers, Ph.D and M.Phil students, diploma holders, B-tech engineers, technicians, faculty members of universities and owners/executives of high-tech industries.

## REGISTRATION FEE

The Fee structure per person is as follows;

General participants:	Rs. 12,000/-
PVS members:	Rs. 8,000/-
Ph.D / M.Phil students:	Rs. 5,000/-

Note: *Fee covers refreshments, meals, and lecture notes of the short course. Limited sponsorship is available for students on first come first serve basis.*

## HOW TO REGISTER

- ◆ Download registration form from [www.pvs.com.pk](http://www.pvs.com.pk) and e-mail completed application form to [pvs@comsats.net.pk](mailto:pvs@comsats.net.pk). Or collect a hard copy of the registration form from PVS office and submit the same by hand or mail/courier.
- ◆ Selected candidates will receive acceptance email well in time.
- ◆ Participants will be required to send registration fee in the form of a bank draft / pay order in favour of "Pakistan Vacuum Society". The fee can also be deposited in cash at the time of registration on the first day of course.

## REGISTRATION FORM

Please address all enquiries and return filled Registration Form on given address.

Mr. /Ms. /Prof. /Dr .....

Surname.....

Middle Name: .....

First Name: .....

Designation: .....

Organization: .....

Nationality: .....

CNIC #: .....

PVS Membership No. (If any): .....

E- mail: .....

Cell #: .....

Mailing Address: .....

.....

Zip Code: .....City: .....

Country: .....

Phone: ..... Fax: .....

Date: ..... Signature: .....