

# STUDENT WORKSHOP

ON

“Foldscope Assembly and Application”

27<sup>th</sup> July, 2019



**Organized by:**

**Faculty of Science,**

**Dr. APJ ABDUL KALAM GOVT COLLEGE,  
SILVASSA, D&NH**



**Venue:**

**Dr. APJ ABDUL KALAM GOVT COLLEGE,**

**Dokmardi, Silvassa,**

**U.T. of Dadra & Nagar Haveli 396 230**

**Ph. 94294 27117**

**E-mail: [dnh.sihl2011@gmail.com](mailto:dnh.sihl2011@gmail.com)**

## **About College:**

The commencement of Dr. APJ Abdul Kalam Govt College is the realization of the longing of the people of Dadra & Nagar Haveli, for an efficacious Centre for Higher Learning. Dr. APJ Abdul Kalam Govt. College, started in 2011, has the distinction of being the first Govt. multi-faculty Co-ed College in Arts, Science and Commerce in U.T. of Dadra & Nagar Haveli and it provides quality education to the youth so as to enable them to take up the challenges of the tomorrow. The new premises of College at Dokmardi was inaugurated on September 15, 2015 and launched into fame by the Honorable Administrator, Member of Parliament and Development Commissioner. The institute has a sprawling campus and offers a serene ambience for learning.

College derives its distinct character from the state of the art infrastructure, technology aided teaching - learning process and student development activities. Well qualified and experienced faculty members work towards the multi-dimensional advancement of the students, whereas the various committees in the College facilitate a host of creative co-curricular and extracurricular activities.

## **Participant:**

Students of S.Y & T.Y.B.Sc. (Botany, Microbiology, Zoology), Faculty Members and Research Scholars.

## **Registration:**

Participants are requested to submit registration form duly filed to “Dr. APJ ABDUL KALAM GOVT COLLEGE, SILVASSA”.

Number of participants are Limited to 100 seats only. Registration will be on First come first served basis. Participants are also advised to email

scanned copies of the registration form to [sihl.dnh2011@gmail.com](mailto:sihl.dnh2011@gmail.com) for early confirmation of registration.

## **Registration Fee:**

Registration is FREE for B.Sc. Students (Botany, Microbiology, Zoology) and College Faculty members of Dadra & Nagar Haveli.

## **Contact Persons for Registration:**

Dr. Chirantan Rawal (9227700983)

## **Theme:**

India's Department of Biotechnology (DBT, Govt. of India) is partnering with Prakash Lab at Stanford University to widely use the Foldscope across India. The Foldscope has been developed by Manu Prakash, an Indian-origin Assistant Professor at Stanford University. The Foldscope is an origami-based print-and-fold optical microscope that can be assembled from a flat sheet of paper. It costs less than a dollar in parts and can provide over 2,000 times magnification at a sub-micron resolution (800nm).

## **Objective:**

To help advances in the field of education and health by creating curiosity and excitements among students and faculty for scientific exploration.

Foldscope was created with a vision to solve an accessibility problem in science and it also break down the price barrier of a conventional microscope.

To provide a platform for the academician and the students representing different Colleges of Dadra and Nagar Haveli to interact with each other.

**Resource Persons:****Dr. Mayurkumar C. Shah**Associate Professor,  
Department of Bio-gas Research and Microbiology  
Gujarat Vidyapith, Gujarat**Dr. Pratik Ganesh Shilpkar**Assistant Professor  
Department of Bio-gas Research and Microbiology  
Gujarat Vidyapith, Gujarat**Patron:****Dr. Bhagwanjee Jha**Principal,  
E-mail: dnh.sihl2011@gmail.com**Convener:****Dr. Prakash Patel**

Assistant Professor (Botany)

**Organizing Secretary:****Ms. Aparna Tailor**

Assistant Professor (Microbiology)

**Organizing Committee:****Dr. Chirantan Rawal**

Assistant Professor (Microbiology)

**Dr. Sureshkumar Chavda**

Assistant Professor (Chemistry)

**Dr. Himanshu Patel**

Assistant Professor (Chemistry)

**Dr. Himanshu Chapani**

Assistant Professor (Mathematics)

**Dr. Mukesh Nayak**

Assistant Professor (Physics)

**SCHEDULE:**

Time	Session
10:00 to 10:30	A Brief on Foldscope
10:30 to 12:30	<b>Hands on Session-I:</b> Assembly of Foldscope by participants
12:30 to 13:00	Break
13:00 to 15:00	<b>Hands on Session-II:</b> Application of Foldscope- <ul style="list-style-type: none"> <li>➤ Preparation of Microscopic slide for Foldscope by participants</li> <li>➤ Insertion of Microscopic slide into Foldscope by participants</li> <li>➤ Viewing Directly through Foldscope with eyes by participants</li> <li>➤ Viewing through Foldscope with smart phone camera, taking photo and videos by participants</li> </ul>



*Excellence is a continuous process  
and not an Accident....*

- Dr. APJ Abdul Kalam

**STUDENT WORKSHOP**

On

**“Foldscope Assembly and Application”****27<sup>th</sup> July, 2019****Registration form**

To,  
The Convener,  
Student's Workshop,  
Dr. APJ Abdul Kalam Govt. College,  
Silvassa

Dear Sir,

I would like to enroll as a participant in Students Workshop on **“Foldscope Assembly and Application”**, on 27<sup>th</sup> June, 2019 at Dr. APJ Abdul Kalam Govt. College, Silvassa.

Name: \_\_\_\_\_

Qualification: \_\_\_\_\_

Institutional Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

Date: \_\_\_\_\_

Place: \_\_\_\_\_ Student's Signature

**Principal's Signature With College Stamp**