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Department of Physics, Sardar Patel University*

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**Mr. L. K. Chauhan**

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**Mrs. Mittal Patel (CSC)**

**Address for Communication**

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**ONE DAY WORKSHOP ON  
BASIC**

**ASTRONOMY**

Organized by

Department of Physics,  
V.P. & R.P.T.P. Science College

&

C. C. Patel Community Science Centre  
(Sardar Patel University)

**7<sup>TH</sup> SEPTEMBER, 2017**



**Venue**

V.P. & R.P.T.P. Science College  
Vallabh Vidyanagar 388 120

**Last Date of Registration:**

**02/09/2017**



**Registration Form**

**One Day Workshop on**

**Basic Astronomy**

**7<sup>th</sup> September, 2017**

Name of Student: \_\_\_\_\_

College: \_\_\_\_\_

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

Contact No: \_\_\_\_\_

Registration Fees: **100**

Cash

DD/ Cheque

DD/ Cheque No:

Bank:

Date:

Signature of Participant: \_\_\_\_\_

Forwarded through Head/ Principal: \_\_\_\_\_

DD / Cheque should be in favor of:

**Principal, V.P. & R.P.T.P. Science College**

Payable at Vallabh Vidyanagar

\* Photocopy of Registration Form may be used.

## Charutar Vidyamandal

Charutar Vidya Mandal (CVM) was established in 1945 as a charitable trust. Since its establishment CVM has been working for upliftment of society through education. Today CVM has grown as a large family, comprising of more than 45 educational institutions in Vallabh Vidyanagar and New Vallabh Vidyanagar.

## V.P. & R.P.T.P. Science college

The college, managed by Charutar Vidya Mandal, gets its name from Vitthalbhai Patel, the elder brother of Sardar Patel, and an eminent freedom fighter in his own right. It was inaugurated by Sardar Patel in 1947. Over last 70 years, it has grown from strength to strength in imparting degree course in the fields of Physics, Chemistry, Botany, Zoology, Microbiology, Electronics, Mathematics, Computer Science, Industrial Chemistry, Computer Application and Instrumentation.

The college was awarded with the best science college of Gujarat state three times in succession. Presently the college has been Re-Accredited 'A' grade by NAAC (National Accreditation and assessment council), Bangalore and by AAA (Academic and Administrative Audit) KCG, Ahmadabad. National Institution Ranking Framework (NIRF) 2017 declared VP & RPTP Science College on 61 position in India, 11<sup>th</sup> among Science Colleges in India, 2<sup>nd</sup> in Gujarat and 1<sup>st</sup> in S. P. University. It has also been recognized as a college with potential for excellence twice (CPE-II status) in succession by the UGC.

## Department of Physics

Apart from the UG teaching, the Department pursues research in various fields like Computational Condensed Matter Physics, Experimental Condensed Matter Physics, Atomic and Molecular Physics and Solar Astrophysics. It has active research collaboration with national and international institutes like PRL, TIFR, BARC and the Open University Milton Keynes- UK, Instituto de Matematicas & Fisica Fundamental Spain.

## C. C. Patel Community Science Centre (SPU)

C. C. Patel Community Science Centre, Sardar Patel University was established in 2004 with vision "science to people and people to science". GUJCOST, Gandhinagar provide necessary funding to carry out activities in support of science-math education in Anand district. The mission of CSC is to create awareness, interest and enthusiasm in science and work for students, teachers and all interested in science and to collaborate with individuals and institutions for the general programs and activities of science.



## Objectives

The main objective of this workshop is to make students aware about astronomy and its relevance in our day-to-day life, to learn about the night sky, recognizing constellations, understanding the solar system, understanding of solar and lunar eclipses and deep space. This one day workshop will help students to learn more about the amazing night sky as well as how to use the equipment needed to see what is not visible with the naked eye. Astronomical equipments, models and demonstrations along with lectures will be arranged. A special hands-on activities session will be arranged, which will help them to learn the basic techniques of astronomy.

The workshop's hands-on activities will be based on the following categories:

- Sunspots observation and solar rotation.
- Calculations from eclipse photographs.
- Astrophotography and analysis of stellar spectra.

